

**CLAIMS:**

1. A windscreen wiper which includes  
an elongate curved backbone which is of a resiliently flexible material; and  
a force applying member which is connected to the backbone at two spaced  
160 apart points

with the spacing distance S (expressed in millimetres) between the points being  
between

$$S_1 = 0.1 * L \dots\dots\dots (1)$$

and

$$S_2 = 0.35 * L \dots\dots\dots (2)$$

where the length L is the total length of the backbone expressed in millimetres.

2. A windscreen wiper which includes  
an elongate curved backbone which is of a resiliently flexible material; and  
170 a force applying member which is connected to the backbone at two spaced  
apart points

with the ratio R of spacing distance S between the points and the total length  
L ( $R = S/L$ ) being between

$$R_1 = 0.1 \dots\dots\dots (3)$$

and

$$R_2 = 0.35 \dots\dots\dots (4)$$

where the spacing distance S and the length L are expressed in the same units of  
180 measure.

3. The windscreen wiper as claimed in Claim 1, in which the preferred spacing distance  $S_p$  between the spaced apart points is about

$$S_p = 0.363 * L - 0.000146 * L^2 \dots\dots\dots (5)$$

- 185 4. The windscreen wiper as claimed in Claim 2, in which the preferred ratio  $R_p$  is about

$$R_p = 0.363 - 0.000146 * L \dots\dots\dots (6)$$

- 190 5. The windscreen wiper as claimed in Claim 1, in which the force applying member is connected to the backbone in such a manner as to permit relative longitudinal displacement between the force applying member and the backbone.

- 195 6. The windscreen wiper as claimed in Claim 1, in which the curved backbone has a varying width and thickness, along its length.

7. The windscreen wiper as claimed in Claim 1, in which the curved backbone has a constant thickness along its length.

8. The windscreen wiper as claimed in Claim 1, in which the curved backbone has a constant width along its length.

- 200 9. The windscreen wiper as claimed in Claim 1, in which the backbone has a free form curvature in a plane.

- 205 10. The windscreen wiper as claimed in Claim 1, in which the backbone has a compound curvature.

12. A windshield wiper substantially as herein described with reference to the accompanying drawing.

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